Fig. 1

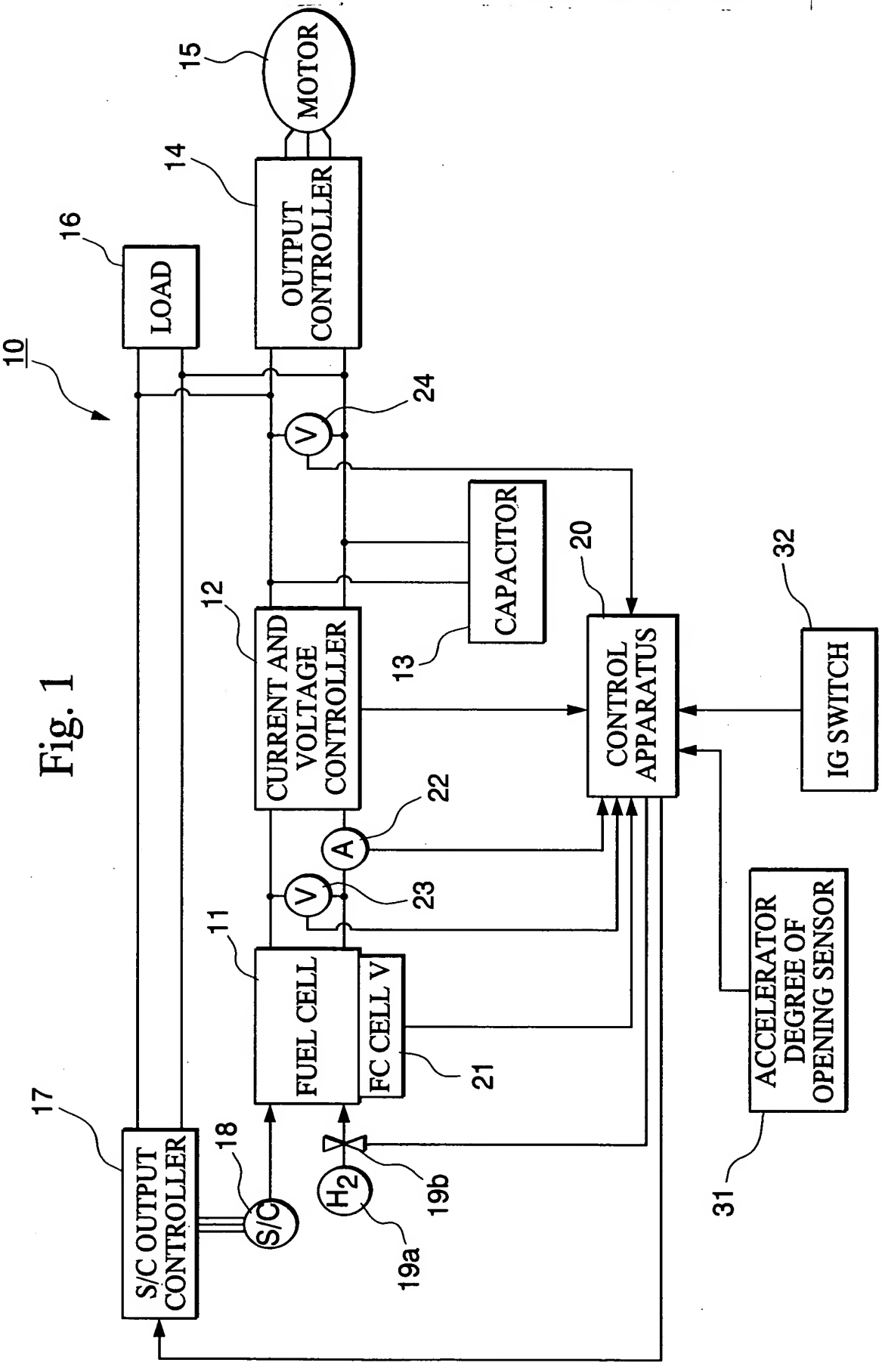
10
MOTOR
15
OUTPUT CONTROLLER
14
LOAD
16
24
V
CAPACITOR
20
32
12
CURRENT AND VOLTAGE CONTROLLER
13
CONTROL APPARATUS
IG SWITCH
22
A
V
23
11
FUEL CELL
FC CELL V
21
ACCELERATOR DEGREE OF OPENING SENSOR
31
17
S/C OUTPUT CONTROLLER
18
S/C
H2
19b
19a

Fig. 2

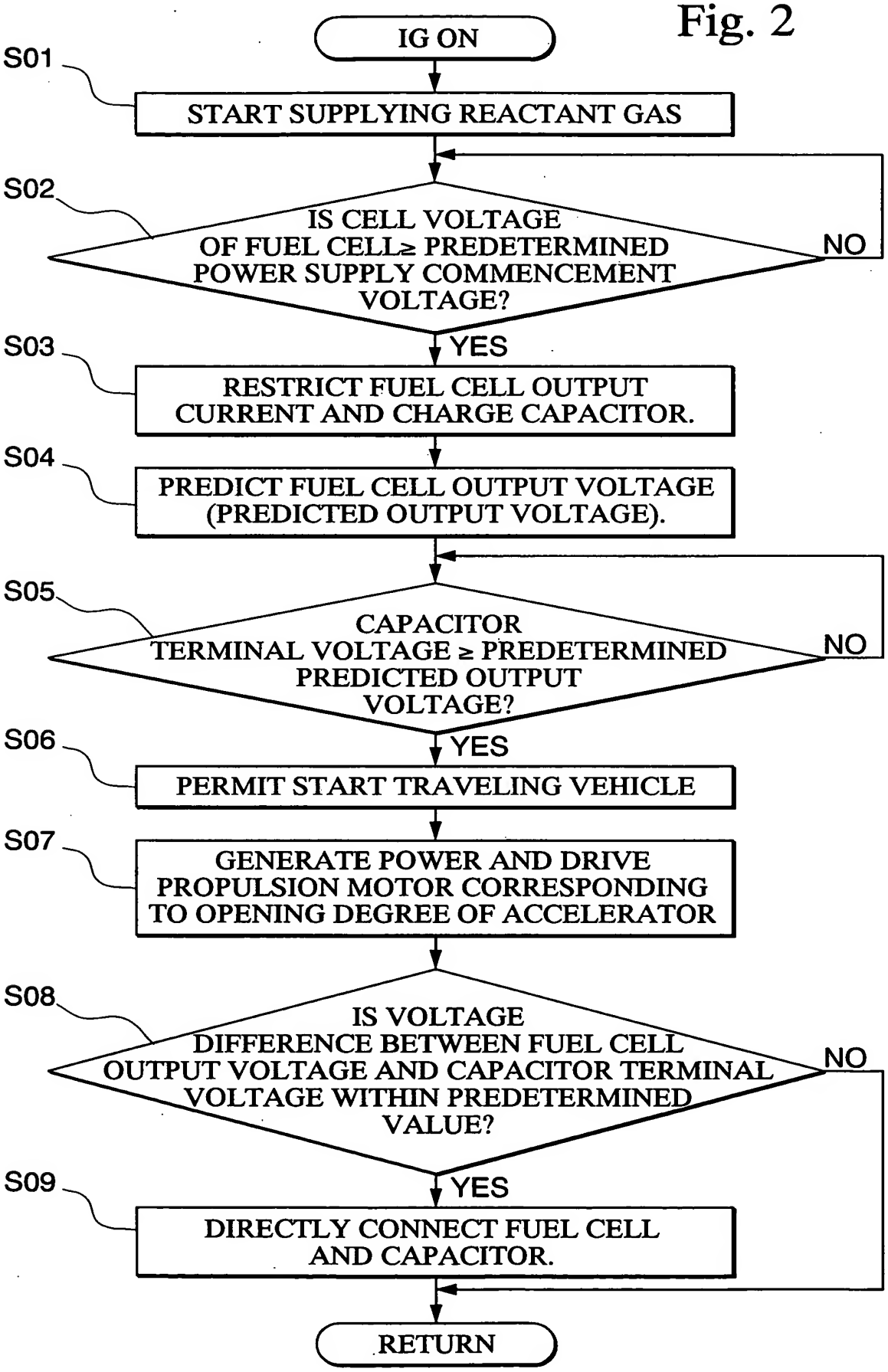
IG ON
S01
START SUPPLYING REACTANT GAS
S02
IS CELL VOLTAGE OF FUEL CELL≥ PREDETERMINED POWER SUPPLY COMMENCEMENT VOLTAGE?
NO
YES
S03
RESTRICT FUEL CELL OUTPUT CURRENT AND CHARGE CAPACITOR.
S04
PREDICT FUEL CELL OUTPUT VOLTAGE (PREDICTED OUTPUT VOLTAGE).
S05
CAPACITOR TERMINAL VOLTAGE ≥ PREDETERMINED PREDICTED OUTPUT VOLTAGE?
NO
YES
S06
PERMIT START TRAVELING VEHICLE
S07
GENERATE POWER AND DRIVE PROPULSION MOTOR CORRESPONDING TO OPENING DEGREE OF ACCELERATOR
S08
IS VOLTAGE DIFFERENCE BETWEEN FUEL CELL OUTPUT VOLTAGE AND CAPACITOR TERMINAL VOLTAGE WITHIN PREDETERMINED VALUE?
NO
YES
S09
DIRECTLY CONNECT FUEL CELL AND CAPACITOR.
RETURN

Fig. 3A

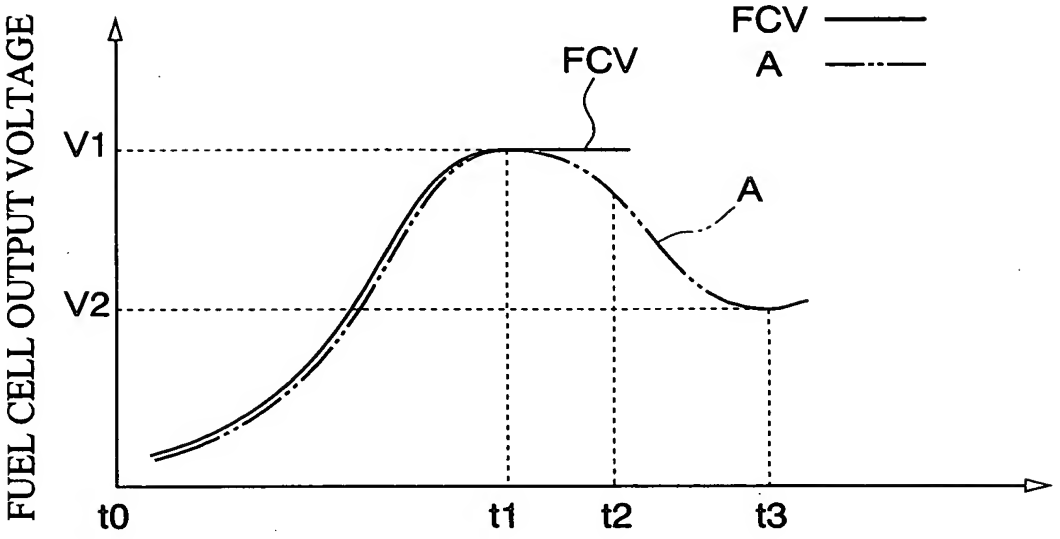
FUEL CELL OUTPUT VOLTAGE
FCV
A
FCV
A
V1
V2
t0
t1
t2
t3

Fig. 3B

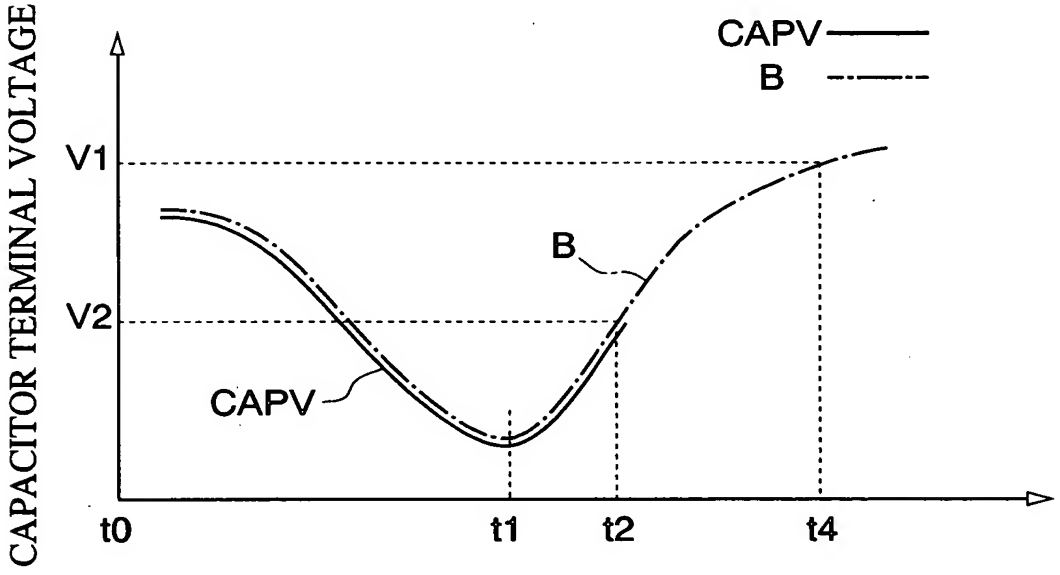
CAPACITOR TERMINAL VOLTAGE
CAPV
B
V1
V2
B
CAPV
t0
t1
t2
t4

Fig. 4